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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

## Complete if Known

Application Number 10/017,103  
Filing Date December 14, 2001  
First Named Inventor Molnar, Karl James  
Group Art Unit  
Examiner Name  
Attorney Docket Number P14953-US1

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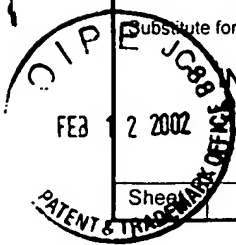
## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AA		5,887,035		MOLNAR	03-23-99	

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Documents			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
AB		WO	0000/13383		ERICSSON, INC.	03-09-00		

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AC		H. Arslan et al., "Cochannel Interference Suppression with Successive Cancellation in Narrow-Band Systems", <i>IEEE Communications Letters</i> , 5(2):37-39, Feb. 2001	
AD		S. Alamouti, "A Simple Transmit Diversity Technique for Wireless Communications", <i>IEEE Journal on Sel. Areas of Comm.</i> , 16(8):1451-1458, Oct. 1998	
AE		E. Lindskog et al., "A Transmit Diversity Scheme for Delay Spread Channels", <i>submitted to ICC'2000</i> , pp 1-5	
AF		E. Lindskog et al., "Time-Reversal Space-Time Block Coding and Transmit Delay Diversity-Separate and Combined", <i>Submitted to 34<sup>th</sup> Annual Conference on Signals, Systems and Computers</i> , Oct. 29 - Nov. 1 2000	
AG		S. Wales, "Technique for Cochannel Interference Suppression in TDMA Mobile Radio Systems", <i>IEEE Proc. Comm.</i> , 142(2), Apr. 1995	
AH		P. Ranta et al., "Co-Channel Interference Canceling Receiver for TDMA Mobile Systems", <i>IEEE ICC</i> , pp 17-21, Feb. 1995	
AI		U. Wachsmann et al., "Exploiting the Data-Rate Potential of MIMO Channels: Multi-Stratum Space-Time Coding", <i>IEEE Veh. Tech. Conf.</i> , May 2001	
AJ		S. Talwar et al., "Blind Separation of Synchronous Co-Channel Digital Signals Using an Antenna Array-Part I: Algorithms", <i>IEEE Trans. Signal Processing</i> , 44(5): 1184-1197, May 1996	
AK		S. Talwar et al., "Blind Separation of Synchronous Co-Channel Digital Signals Using an Antenna Array-Part II: Performance Analysis", <i>IEEE Trans. Signal Processing</i> , 45(3): 706-718, March 1997	
AL		A. Naguib, et al., "Increasing Data Rate Over Wireless Channels", <i>IEEE Signal Processing Magazine</i> , 17(3):76-92, May 2000	
AM		A. Dabak et al., "Equalization and Multi-user Detection for Space Time Block Coding Based Transmit Diversity (STTD) in Frequency Selective Channels", In <i>Proc. 52<sup>nd</sup> IEEE Veh. Tech. Conf.</i> , Sept. 24-28, 2000	
AN		M. Varanasi et al., "Multistage Detection in Asynchronous Code-Division Multiple-Access Communications", <i>IEEE Trans. Comm.</i> , 38:508-519, Apr. 1990	
AO		R. Mowbray et al., "Increased CDMA System Capacity Through Adaptive Cochannel Interference Regeneration and Cancellation", <i>Proc. Inst. Elec. Eng., pt I</i> , 139 515-524, Oct. 1992	
AP		R. Konno et al., "Combination of an Adaptive Array Antenna and a Canceller of Interference for Direct-Sequence Spread-Spectrum Multiple-Access System", <i>IEEE Journal on Sel. Areas of Comm.</i> 8 675-682 May 1990	



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number 10/017,103  
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Group Art Unit  
Examiner Name  
Attorney Docket Number P14953-US1

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS (CONT.)**

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<input checked="" type="checkbox"/>	AQ	L. Lindbom, "Simplified Kalman Estimation fo Fading Mobile Radio Channels: High Performance at lms Computational Load, <i>In. Proc. Of the Int. Conf. On Acoustics, Speech and Sig. Proc.</i> , Apr. 1993	
<input checked="" type="checkbox"/>	AR	A. Hafeez et al., "Co-channel Interference Cancellation for D-AMPS Handsets", <i>In Proc. 49th IEEE Veh. Tech. Conf.</i> , May 1999	
<input checked="" type="checkbox"/>	AS	A. Radovic et al., "Iterative Algorithms for Joint Data Detection and Delay Estimation for Code Division Multiple Access Communication Systems", <i>In Proc. Ann. Allerton Conf. Commun., Control and Computing</i> , Sept./Oct. 1999	
<input checked="" type="checkbox"/>	AT	K. Giridhar et al., "Nonlinear Techniques for the Joint Estimation of Cochanel Signals", <i>IEEE Trans. Comm.</i> , 45(4):473-483, Apr. 1997	

Examiner Signature	<i>S. Moore</i>	Date Considered	9/3/04
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<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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